LevelPro® — TVL Series Liquid Level Display | Controller





Part Number	Input	Output
TVL-550-1821	4-20mA	2 Relay
TVL-550-1829	4-20mA	4-20mA + 1 Relay

Specifications

General		
Display	LED 4 x 20mm High Red Adjustable Brightness	
Displayed Values	-999 ± 9999	
Transmission Parameters	1200115200 bit/s, 8N1 / 8N2	
Protection Class	NEMA 4X IP67	
Housing Material	Polycarbonate	
Input Signal Supply		
Standard	Current: 4-20mA 0-20mA 0-5V* 0-10V*	
Voltage	85 - 260V AC/DC 16 - 35V AC, 19 - 50V DC*	
Output Signal Supply	/	
Standard	2 x Relays (5A) 1 x Relay (5A) + 4-20mA	
Voltage	24VDC	
Passive current output *	4-20mA (Operating Range Max. 2.8 - 24mA)	
Performance		
Accuracy	0.1% @ 25°C One Digit	
Accuracy According to IEC 60770 -		
Limit Point Adjustment Non-Linearity Hysteresis Repeatability		
Temperatures		
Operating Temperatures	-40 - 158°F -40 - 70°C	

Features



- Large Bright 4 Digit LED Display
- Analog Output 4-20mA + 2x (5 Amp) Relays

- Relay Lights & Audible Alarm Function
- O Durable Corrosion-Free NEMA 4X Enclosure
- Sensor Power Supply 24VDC Output
- Lead Lag Pump
- ⊗ 85 260 VAC | 24VDC (Optional)

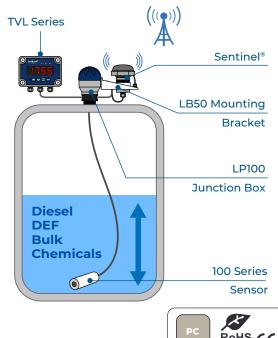
All-in-one Display & Controller

The TVL Series LED Level Process Display and Controller is the industry's most rugged and reliable wall-mount remote level display.

LevelPro® TVL Series comes as a complete all-in-one unit, out of the box it is ready to use. Included is a bright LED display, NEMA 4X enclosure, polycarbonate faceplate, cord grips and plastic captive screws.

The industrial design of the TVL Series ensures it will withstand the industry's most corrosive environments.

Available with either 2 Relay Outputs or 1 Relay + 4-20mA Output, the LevelPro® TVL Series is great for automating your tank level processes.

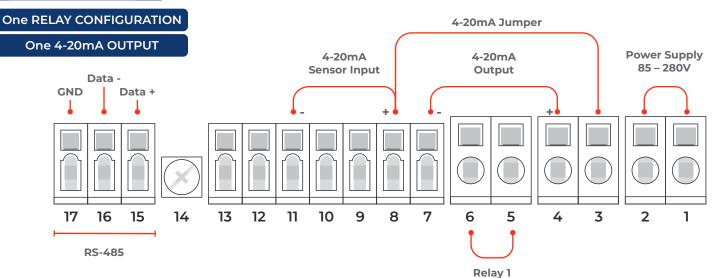


LevelPro® — TVL Series Liquid Level Display | Controller



Wiring Diagram





2 RELAY CONFIGURATION 4-20mA **Power Supply** 85 - 280V Sensor Input Data -**GND** Data + 17 15 13 12 11 10 9 8 7 6 5 3 2 16 **RS-485** Relay 1 Relay 2





Due to possible significant interference in industrial installations, appropriate measures assuring correct operation of the unit must be applied.

The unit is not equipped with an internal fuse or power supply circuit breaker.

For this reason, an external time-delay cut-out fuse with a small nominal current value must be used (recommended bipolar, max. 2A) and a power supply circuit breaker located near the unit.

In the case of using a monopolar fuse it must be mounted on the phase cable.